

Injury-related Outpatient Observation Stays

2010*

MASSACHUSETTS RESIDENTS

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Crude Rate per 100,000 ²
	Uninten- tional	Intentional		Undeter- mined	Other & Legal ¹			
		Self- inflicted	Assault					
Cut/pierce	114	78	81	<7	0	274	2.4	4.2
Drowning/submersion	15	0	0	0		15	0.1	0.2
Fall	3,984	<7	<7	<7		3,990	34.3	60.8
Fire/burn	87	<7	<7	<7		92	0.8	1.4
<i>Fire/flare</i>	48	<7	<7	<7		51	0.4	0.8
<i>Hot object/substance</i>	39	0	<7	<7		41	0.4	0.6
Firearm	<7	<7	27	7	0	39	0.3	0.6
Machinery	18					18	0.2	0.3
Natural/Environmental	263	0		<7		267	2.3	4.1
<i>Dog bites</i>	38	0		0		38	0.3	0.6
<i>Other bites & stings</i>	155	0		0		155	1.3	2.4
<i>All other (e.g. extreme cold)</i>	70	0		<7		74	0.6	1.1
Overexertion	323					323	2.8	4.9
Poisoning	514	349	0	128	0	991	8.5	15.1
Struck by, against	368		227		<7	598	5.1	9.1
Suffocation	40	<7	<7	0		43	0.4	0.7
Transport-related Injuries	909	<7	0	<7		911	7.8	13.9
<i>Motor vehicle traffic-related</i>	694	<7	0	<7		696	6.0	10.6
<i>Occupant</i>	449					449	3.9	6.8
<i>Motorcyclist</i>	65					65	0.6	1.0
<i>Pedal cyclist</i>	32					32	0.3	0.5
<i>Pedestrian</i>	105					105	0.9	1.6
<i>Other person</i>	7					7	0.1	0.1
<i>Unspecified</i>	36					36	0.3	0.5
<i>Pedal cyclist, other</i>	113					113	1.0	1.7
<i>Pedestrian, other</i>	10					10	0.1	0.2
<i>Transportation, other</i>	92	0	0	0	0	92	0.8	1.4
Other-specified & classifiable	363	0	56	0	<7	420	3.6	6.4
<i>Human bites</i>	<7		8			14	0.1	0.2
<i>Non-powder gun (BB, pellet)</i>	<7	0	0	0	0	<7	0.0	0.0
<i>Other specified & classifiable</i>	356	0	48	0	<7	405	3.5	6.2
Other specified, not classifiable	165	12	51	7	<7	236	2.0	3.6
Unspecified	630	<7	67	<7	<7	707	6.1	10.8
Adverse effects ³	--	--	--	--	--	119	1.0	1.8
Cause and Intent are not provided	--	--	--	--	--	2,590	22.3	39.5
TOTALS ⁴	7,797	447	514	160	<7	11,633	100.0	177.4
RATE BY INTENT/per 100,000	118.9	6.8	7.8	2.4	--			

Source: MA Outpatient Observation Stay Database, MA Division of Health Care Finance and Policy.

*All data sets from Health Care Finance and Policy are based on a fiscal year. The numbers provided here are based on fiscal year: October 1 - September 30 and will be different than numbers generated through the Department's query based system MassCHIP.

1 Legal Intervention includes injuries resulting from police actions and operations of war.

2 Rates are not calculated on counts of less than seven. Rates that are based on counts less than twenty may be unstable. Rates provided here are not age-adjusted and may differ slightly from other department publications.

3 Adverse Effects can be related to medical and surgical care procedures, or to the use of therapeutic substances (including allergic reactions).

4 Totals do not include subcategory counts. Total percent is presented here as 100% but may be slightly less or more due to rounding.

—This database contains cases admitted to a hospital bed for "observation," these cases are not included in the Massachusetts Hospital Discharge Database.

—An injury-related "observation" case is defined as any case having an ICD9-CM Nature of Injury Code of 800-999 assigned to any of the ICD9 diagnosis fields

[cases having the following codes are excluded if no other valid ICD9-CM code is assigned: Certain Adverse Effects (995.0-995.4, 995.6, 995.7, 995.86, 995.89), Complications of Surgical & Medical Care (996-999), and certain Late Effects (909.3, 909.5)].

—Injury observation cases subsequently dying in the hospital are excluded from this analysis.

—Only Massachusetts residents are included in this analysis.

—Population data used to calculate rates are based on 2010 population estimates by the US Census Bureau. Estimated 2010 Massachusetts population is 6,557,254.

Rates are per 100,000 residents.

—Categories and groupings are based on a modified version of the CDC's "Recommended framework of E-code groupings for presenting injury mortality and morbidity data."

This framework does not provide for intentionality for certain cause categories as indicated by gray shading.

—Injury subcategories are italicized.

—Data were extracted and compiled by the Injury Surveillance Program, Bureau of Health Information, Statistics, Research & Evaluation, MDPH, June 2012